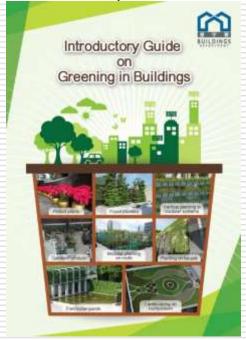
Purpose

To provide a reference for safe provision of greening in buildings



(1) Planning & Design

■BD's Approval

- Depends on location & extent of the greening, and structural & drainage design of the building
- Not required, if not involving any new building works (e.g. addition of new building structure, strengthening of structure, modification of drainage system)
- Required, if
 - (1) involving new building works;
 - (2) significantly affects the load bearing capacity, drainage system/fire safety in existing buildings, or any associated change in use

☐ Size & Scale

- Larger/heavier greenings has substantial impact on the existing building structure
- Especially on critical elements (e.g. long-span roof/ podium and cantilevered structures)

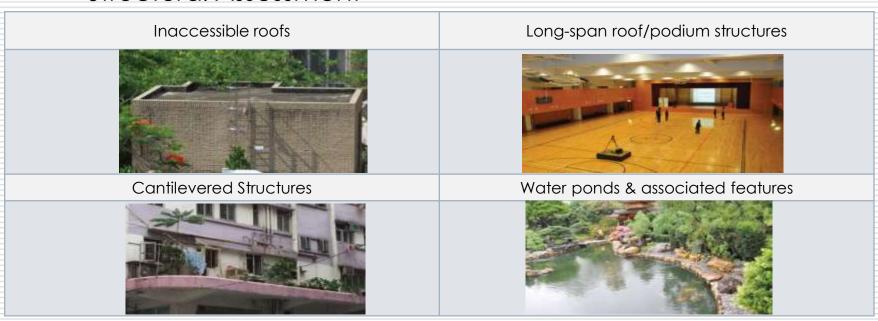
Professional Advise

- Safety and feasibility Consult Qualified professionals (e.g. Authorized Person and/or Registered Structural Engineer)
- Selection of greening, plant variety, etc. Consult landscaping expertise (e.g. Registered Landscape Architect)

Examples	Less Loading Concern	More Loading Concern
Potted Plant		
Roof Farming		
Garden Furniture		

Examples	Less Loading Concern	More Loading Concern
Garden Feature		
Flower Bed		

- Other Considerations
 - Structural Assessment



Drainage and waterproofing



Provision of drainage outlet in greening to discharge excess water



Proper installation, protection and upkeep of waterproofing layer on roof/podium



Improper maintenance of drainage system



Inadequate or damaged waterproofing may result in water seepage and spalling of structural elements

Fire Safety & Potential Inappropriate Uses





Maintenance Access & Protective Barriers



(2) Construction

- ☐ Site Work
 - Engage qualified contractor and provide adequate site supervision
 - Amendments on greening proposal

Completion

- Engage professionals for certifying completion of the greening works
- Provide the design & maintenance information to building owner

(3) Maintenance & Upkeep

- Regular Maintenance
 - Provide regular inspection and maintenance of both greenery and building itself
- Changes
 - May affect the original design parameters
 - Advice from qualified professionals should be sought beforehand

	Newly Proposed Greening	
ĺ	New Building	Existing Building
	- Appoint AP/RSE	- Consult AP/RSE/building professionals
	 Cater for greening in design Include provision of greening in building, structural and drainage plans for approval and consent from the BD as appropriate. 	 Consider implications of greening on the existing building, including structural, drainage and fire safety Assess whether submission to the BD for approval of the greening proposal is necessary. If yes, appoint AP/RSE. Submit relevant plans to the BD for approval if alteration and addition, or structural strengthening works are required.
	 Appoint registered contractor for carrying out of associated buildings works 	 Appoint registered contractor for carrying out of associated buildings works

Existing Greening	
Greening Approved by BD	Greening Not approved by BD
 Ensure existing provision, installation and usage is consistent with the original design and intended use. Otherwise, an overall assessment is required. 	- Consult AP/RSE/building professionals on effects of provision and installation on the existing building, including structural, drainage and fire safety
- Rectify any defects promptly	 Remove the associated provision and installation promptly if there are signs of overloading or safety concern Rectify any defects promptly Remove unauthorised building works Submit a proposal to BD for approval if necessary
- Inspect and maintain regularly	- Inspect and maintain regularly